Declaration of Performances Release: 25.05.2020



DECLARATION OF PERFORMANCES

DECLARATION OF PERFORMANCE NO.

Nr PTRL-DoP/MW/15/113

PETRAFAS-A d = 50-99 mm

UNIQUE IDENTIFICATION CODE OF THE PRODUCT TYPE.

PETRAFAS-A MW-EN13162-T5-DS(70,90)-CS(10)20-TR10-WS-WL(P)-MU1-SS20

INTENDED USE OR USES

Factory made mineral wool (MW) products for thermal insulation of buildings.

PRODUCER									
	Head Office	Factory							
Name: Adress:	PETRALANA S.A. Str Mazowiecka 11	Name: Adress:	PETRALANA S.A. Str Konstytucji 74						
Phone:	40-732 Katowice, Poland +48 32 209 01 27	Phone:	41-905 Bytom, Poland +48 32 770 05 00						

SYSTEM OF ASSESSMENT AND VERIFICATION OF CONSTANCY OF PERFORMANCE

System 1 and System 3

HARMONIZED STANDARD

EN 13162:2012+A1:2015 "Thermal insulation products for buildings - Factory made mineral wool (MW) products - Specification"

NOTIFIED CERTIFICATION BODY OR BODIES

Instytut Mechanizacji Budownictwa i Górnictwa Skalnego nr 1454



DECLARATION OF PERFORMANCES

Reaction to fire Euroclass characteristics Residence of dangerous substances to the indoor Release of dangerous substances to the indoor Release of dangerous substances - NPD		DECLARED CHARACTE	RISTICS			
Release of dangerous substances to the indoor Acoustic absorption index Sound absorption Dynamic stiffness Dynamic stiff	ESSENTIAL CHARACTERISTICS		SYMBOL	CONTROL CONTROL CONTROL MARKET CONTROL	UNIT	
Acoustic absorption index Sound absorption April (APg) i aWir (AWi) Dynamic sirffness Ar 'SD NPD MN/m' Thickness, d. April (APg) i aWir (AWi) NPD Approximation sirffness Ar 'SD NPD MN/m' Thickness, d. April (APg) i aWir (AWi) NPD MN/m' Thickness, d. CP NPD MPD MPD MPA, s/m' AFr NPD KPA, s/m' NPD AFr NPD April (APg) i aWir (AWi) NPD MN/m' Thickness, d. CP NPD MPD MPA, s/m' NPD MPA, s/m' NPD MPA, s/m' NPD April (APg) i aWir (AWi) NPD MPD MPD MPA, s/m' NPD MPA, s/m' NPD MPA, s/m' NPD MPA, s/m' NPD April (APg) i aWir (AWi) NPD MPD MPD MPA, s/m' NPD MPA, s/m' MPA, s/m' NPD MPA, s/m' NPD MPA, s/m' NPD MPA, s/m' NPD MPA, s/m' MPA, s/m' NPD MPA, s/m' NPD MPA, s/m' MPA, s/m' NPD NPD NPD NPD MPA, s/m' NPD NPD MPA, s/m' NPD NPD NPD MPA, s/m' NPD NPD NPD MPA, s/m' NPD NPD NPD NPD MPA, s/m' NPD NPD NPD NPD NPD NPD NPD NP	Reaction to fire Euroclass characteristics	Reaction to fire	RtF	A1		
Dynamic stiffness a'SD NPD MN/m²	Release of dangerous substances to the indoor	Release of dangerous substances	-	NPD		
Impact noise transmission index Thickness, dl. dl. 50-99 mm Compressibility, c CP NPD mm Af fow resistivity AFr NPD kPa.s/m² Direct airborne sound insulation index Air flow resistivity AFr NPD kPa.s/m² Continuous glowing combustion Continuous glowing combustion - NPD Thermal resistance and thermal conductivity A no.035 W/mK Thickness Thickness Class for thickness tolerances Thickness Class for thickness tolerances Thickness ULP A no.035 W/mK Class for thickness tolerances The mm Water vapour permeability Short time water absorption WS <11 kg/m² Long time water absorption WL(P) <3 kg/m² Water vapour permeability Compressive strength Compressive stress or compressive strength Compressive stress or compressive strength Compressive stress or compressive strength Durability of reaction to fire against heat, weathering, pour burst in the strength of thermal resistance against heat, weathering, pour burst in the strength of the mail resistance against heat, weathering, pour burst in the strength or thermal resistance against heat, weathering, pour burst in the strength or thermal resistance against heat, weathering, pour burst in the strength or thermal resistance against heat, weathering, pour burst in the strength or thermal resistance against heat, weathering, pour burst in the strength or thermal resistance against heat, weathering, pour burst in the strength or thermal resistance against heat, weathering, pour burst in the strength or thermal conductivity Deklared \(\text{A} \) 0,035 W/mK Thermal resistance and thermal conductivity Deklared \(\text{A} \) 0,035 W/mK Thermal resistance and thermal conductivity Deklared \(\text{A} \) 0,035 W/mK Thermal resistance and thermal conductivity Deklared \(\text{A} \) 0,035 W/mK Thermal resistance and thermal conductivity Deklared \(\text{A} \) 0,035 W/mK Thermal resistance and thermal conductivity Deklared \(\text{A} \) 0,035 W/mK Thermal resistance and thermal conductivity Deklared \(\text{A} \) 0,035 W/mK Thermal resistance and th	Acoustic absorption index	Sound absorption	αΡΙ (ΑΡί) i αWΙ (AWi)	NPD		
Compressibility, c		Dynamic stiffness	s' SD	NPD	MN/m³	
Air flow resistivity AFr NPD kPa.s/m² Air flow resistivity AFr NPD kPa.s/m² Continuous glowing combustion Continuous glowing combustion - NPD - Thermal resistance Thermal resistance and thermal conductivity A no.035 Wimk A 0.035 Wimk Thickness Class for thickness T5 mm Water permeability Short time water absorption Wiley 3 kg/m² Water vapour permeability Water vapour transmission Mu MU MU1 - Compressive strength Compressive strength Point load PL NPD - Durability of reaction to fire against heat, weathering, againgt/degradation Thermal resistance and thermal conductivity Deklared \(\lambda \) Deklared \(\lambda \) 0.035 Wimk Fensile/Flexural strength Tensile strength perpendicular to faces TR 10 kPa Durability of compressive strength against against gainst gainst gainst gainst against gainst perpendicular to faces TR 10 kPa Durability of compressive strength against against gainst	Impact noise transmission index	Thickness, dL	dL	50-99	mm	
Direct airborne sound insulation index Air flow resistivity AFr NPD kPa.s/m² Continuous glowing combustion Continuous glowing combustion		Compressibility, c	CP	NPD	mm	
Continuous glowing combustion Continuous glowing combustion Continuous glowing combustion Thermal resistance and thermal conductivity Thermal resistance and thermal conductivity Thickness Thermal resistance and thermal conductivity Thickness Class for thickness T5 mm Class for thickness T5 mm Class for thickness T5 mm Class for thickness T6 mm Water permeability Water vapour permeability Water vapour permeability Water vapour permeability Water vapour permeability Compressive strength Compressive strength against heat, Dimensional stability under specified temperature and humidity conditions Tensile strength perpendicular to faces TR 10 kPa Compressive strength against		Air flow resistivity	AFr	NPD	kPa.s/m²	
Thermal resistance Thermal resistance and thermal conductivity Thickness	Direct airborne sound insulation index	Air flow resistivity	NPD	kPa.s/m²		
Thermal resistance and thermal conductivity Thermal resistance and thermal conductivity Thickness Thickness Class for thickness tolerances T5 mm Class for thickness tolerances T5 mm Thermal resistance and thermal conductivity Water permeability Short time water absorption Long time water absorption WL(P) Compressive strength Compressive strength spainst against against against against against against against compressive strength against against against compressive creep Compressive creep Compressive strength spainst against against against against against against compressive creep Compr	Continuous glowing combustion	Continuous glowing combustion	-	NPD	*	
Thermal resistance Thickness			R	Tabela - Opór cieplny	m²K/W	
Thickness Class for thickness tolerances T5 mm Water permeability Short time water absorption Long time water absorption WL(P) Sa kg/m² Long time water absorption WL(P) Compressive strength Compressive strength temperature and humidity onditions Tensile strength perpendicular to faces TR 10 kPa Compressive creep Compressive creep Compressive strength NPD mm	Thermal registance	Thermal resistance and thermal conductivity	λ	0,035	W/mK	
Water vapour permeability Long time water absorption WL(P) S3 kg/m² Kg/m² Water vapour permeability Water vapour transmission MU MU1	Thermal resistance	Thickness		Т5	mm	
Long time water absorption WL(P) <3 kg/m² Water vapour permeability Water vapour transmission MU MU1 - Compressive strength CS(10/Y) 20 kPa Point load PL NPD - Ourability of reaction to fire against heat, weathering, ageing/degradation Thermal resistance and thermal conductivity Deklared \(\lambda \) 0,035 W/mK Dimensional stability under specified temperature and humidity conditions Tensile/Flexural strength Tensile strength against ageing/ Compressive creep CC(11/12/y)ŏc NPD mm	Water permeability	Short time water absorption	ws	<1	kg/m²	
Compressive strength Compressive strength Compressive strength Compressive strength Compressive strength Compressive strength Pul NPD Durability of reaction to fire against heat, weathering. Durability characteristics Thermal resistance and thermal conductivity Deklared \(\) Deklared \(\) Dimensional stability under specified temperature Dimensional stability under specified temperature and humidity conditions Tensile/Flexural strength Tensile strength perpendicular to faces The strength against ageing/ Compressive creep Compressive strength against ageing/ Compressive creep Compressive strength Compressive strength Compressive strength Compressive strength Compressive strength Compressive creep Compressive strength Compressive strength Compressive strength Compressive creep Compressive strength Compressive strength Compressive strength Compressive strength Compressive strength Compressive creep Compressive strength Compressive strength Compressive strength Compressive strength Compressive strength Compressive creep Compressive strength C	Water permeability	Long time water absorption	WL(P)	<3	kg/m²	
Point load PL NPD - Durability of reaction to fire against heat, weathering. Durability of thermal resistance against heat, weathering, ageing/degradation Thermal resistance and thermal conductivity Deklared \(\) 0,035 W/mK Dimensional stability under specified temperature Dimensional stability under specified temperature and humidity conditions Tensile/Flexural strength Tensile strength perpendicular to faces TR 10 kPa Durability of compressive strength against ageing/ Compressive creep CC((11/12/y)\(\)\(\)\(\)\(\)\(\)\(\)\(\)\(Water vapour permeability	Water vapour transmission	MU	MU1		
Point load PL NPD - Durability of reaction to fire against heat, weathering, gigeing/degradation Thermal resistance and thermal conductivity Dimensional stability under specified temperature and humidity conditions Tensile/Flexural strength Tensile strength perpendicular to faces PL NPD - Reaction to fire A1 Euroclass W/mK Dimensional resistance and thermal conductivity Deklared λ 0,035 W/mK 1 % 1 % 1 % 1 % 1 % 1 % 1 % 1	Commence has about the	Compressive stress or compressive strength	CS(10/Y)	20	kPa	
Durability of thermal resistance against heat, weathering , ageing/degradation Thermal resistance and thermal conductivity Dimensional stability under specified temperature Dimensional stability under specified temperature and humidity conditions Tensile/Flexural strength Tensile strength perpendicular to faces TR 10 kPa Durability of compressive strength against ageing/ Compressive creep CC(i1/i2/y)δc NPD mm	Compressive strength	Point load	PL	NPD	-	
Durability of thermal resistance against heat, weathering , ageing/degradation Dimensional stability under specified temperature Dimensional stability under specified temperature and humidity conditions Tensile/Flexural strength Tensile strength perpendicular to faces TR 10 kPa Durability of compressive strength against ageing/ degradation Compressive creep CC((1/1/2/y)ŏc NPD mm	Durability of reaction to fire against heat, weathering, ageing/degradation	Durability characteristics	A1	Euroclass		
Dimensional stability under specified temperature Dimensional stability under specified temperature and humidity conditions Tensile/Flexural strength Tensile strength perpendicular to faces TR 10 kPa Compressive strength against ageing/ degradation Compressive creep CC(i1/i2/y)ōc NPD mm		Thermal resistance and thermal conductivity	Deklared λ	0,035	W/mK	
Dimensional stability under specified temperature and humidity conditions Tensile/Flexural strength Tensile strength perpendicular to faces TR 10 kPa Durability of compressive strength against ageing/ degradation Compressive creep CC((11/12/y)ōc NPD mm	Durability of thermal resistance against heat, weathering , ageing/degradation	Dimensional stability under specified temperature		<1	%	
Ourability of compressive strength against ageing/ Compressive creep CC(i1/i2/y)&C NPD mm			DS	<1	%	
degradation Compressive creep CC(11/12/y)oc NPD mm	Fensile/Flexural strength	Tensile strength perpendicular to faces	TR	10	kPa	
shear strength SS 20 kPa		Compressive creep	CC(i1/i2/y)ōc	NPD	mm	
	Shear strength	Shear strength	ss	20	kPa	

THERMAL RESISTANCE RD																	
d [mm]	50	60	70	80	90	99	-	-	-			-	-	-	-	-	-
R _D [m ² KW]	1,40	1,70	2,00	2,25	2,55	2,80		-	-	-	-	-	-	-	-	-	

The performance of the product identified above is in conformity with the declared performance. This declaration of performance is issued with respect to Regulation (EU) No 305/2011 under the sole responsibility of the manufacturer identified above.

DIRECTOR OF QUALITY MANAGMENT

Date 25/05 2020

YREKTOR ZARZĄDZĄJĄCY JAKOŚCIĄ

rinż. Wioletta Jasek